

Amendments to the Claims

Please amend Claims 1-23 to read as follows.

1. (Currently amended) An image processing apparatus having read means for reading an original image as a color image, first output means for printing the image on a printing medium and outputting the image, second output means for transmitting the image to a communication partner terminal via a facsimile, and third output means for outputting the read image data to a connected information processing apparatus, ~~characterized by~~ comprising:

designation means for designating a read mode of said read means;

color transformation means for transforming a color space of the image data read by said read means into one of a plurality of color spaces;

compression means for compressing the image data in one of a plurality of compression formats; and

selection means for selecting a color space to be transformed by said color transformation means and a compression format of said compression means in accordance with the read mode designated by said designation means and one of said first to third output means which is to output the read image,

wherein, if said designation means designates a color read mode as the read mode and said selection means selects either said first output means or said third output means, a color space to be transformed by said color transformation means is different from a color space for said second output means.

2. (Currently Amended) The apparatus according to claim 1,
~~characterized in that~~ wherein the read mode designated by said designation means includes
a the color read mode, a gray scale read mode, and a monochrome read mode.

95 3. (Currently Amended) The apparatus according to claim 2,
~~characterized in that~~ wherein when said designation means designates the color read mode,
and said second output means is to output the read image, said selection means selects an
Lab space as the color space to be transformed by said color transformation means, and
JPEG as the compression format of said compression means.

4. (Currently Amended) The apparatus according to claim 2,
~~characterized in that~~ wherein when said designation means designates the gray scale read
mode, and said second output means is to output the read image, said selection means
selects a YCbCr space as the color space to be transformed by said color transformation
means, and JPEG as the compression format of said compression means.

5. (Currently Amended) The apparatus according to claim 2,
~~characterized in that~~ wherein when said designation means designates the monochrome
read mode, and said second output means is to output the read image, said selection means
does not select a color space to be transformed by said color transformation means, and
selects run length coding as the compression format of said compression means.

6. (Currently Amended) The apparatus according to claim 2, ~~characterized by~~ further comprising output copy setting means for setting the number of output copies for one read ~~of one~~ page.

7. (Currently Amended) The apparatus according to claim 6, ~~characterized in that~~ wherein when the number of copies set by said output copy setting means is one, said designation means designates the color read mode, ~~and~~ said first output means is to output the read image, and said selection means selects non-color transformation for said color transformation means, and non-compression for said compression means.

8. (Currently Amended) The apparatus according to claim 6, ~~characterized in that~~ wherein when the number of copies set by said output copy setting means is a plurality of copies, said designation means designates the color read mode, ~~and~~ said first output means is to output the read image, and said selection means selects a YCbCr space for said color transformation means, and JPEG for said compression means.

9. (Currently Amended) The apparatus according to claim 6, ~~characterized in that~~ wherein when the number of copies set by said output copy setting means is one, said designation means designates the gray scale read mode, ~~and~~ said first output means is to output the read image, and said selection means selects non-color

transformation for said color transformation means, and non-compression for said compression means.

10. (Currently Amended) The apparatus according to claim 6, ~~characterized in that~~ wherein when the number of copies set by said output copy setting means is a plurality of copies, said designation means designates the gray scale read mode, ~~and~~ said first output means is to output the read image, and said selection means selects a YCbCr space for said color transformation means, and JPEG for said compression means.

95 11. (Currently Amended) The apparatus according to claim 6, ~~characterized in that~~ wherein when the number of copies set by said output copy setting means is one, said designation means designates the monochrome mode, ~~and~~ said first output means is to output the read image, and said selection means selects non-color transformation for said color transformation means, and non-compression for said compression means.

12. (Currently Amended) The apparatus according to claim 6, ~~characterized in that~~ wherein when the number of copies set by said output copy setting means is a plurality of copies, said designation means designates the monochrome mode, ~~and~~ said first output means is to output the read image, and said selection means selects non-color transformation for said color transformation means, and run length compression for said compression means.

13. (Currently Amended) The apparatus according to claim 2,
~~characterized by~~ further comprising compression format designation means for designating
the compression format of said compression means.

14. (Currently Amended) The apparatus according to claim 13,
~~characterized in that~~ wherein when said designation means designates either one of the
color read mode and the gray scale read mode, said third output means is to output the read
image, ~~and~~ said compression format designation means designates JPEG, and said
selection means selects a YCbCr space for the color space to be transformed by said color
transformation means.

15. (Currently Amended) The apparatus according to claim 13,
~~characterized in that~~ wherein when said designation means designates either one of the
color read mode and the gray scale read mode, said third output means is to output the read
image, ~~and~~ said compression format designation means designates run length compression,
and said selection means selects non-transformation for said color transformation means.

16. (Currently Amended) The apparatus according to claim 13,
~~characterized in that~~ wherein when said designation means designates the monochrome
mode, and said third output means is to output the read image, said selection means selects
run length compression as the compression format of said compression means, and does
not select a color space to be transformed by said color transformation means.

17. (Currently amended) A control method for an image processing apparatus having read means for reading an original image as a color image, first output means for printing the image on a printing medium and outputting the image, second output means for transmitting the image to a communication partner terminal via a facsimile, and third output means for outputting the read image data to a connected information processing apparatus, ~~characterized by~~ comprising:

the a designation step of designating a read mode of the read means;

the a color transformation step of transforming a color space of the image data read by the read means into one of a plurality of color spaces;

96 the a compression step of compressing the image data in one of a plurality of compression formats; and

the a selection step of selecting a color space to be transformed in the color transformation step and a compression format in the compression step in accordance with the read mode designated in the designation step and one of the first to third output means which is to output the read image,

wherein, if the designation step designates a color read mode as the read mode and the selection step selects either the first output means or the third output means, a color space to be transformed by the color transformation step is different from a color space for the second output means.

18. (Currently amended) A storage medium which stores program codes for causing a computer, having read means for reading an original image as a color image,

first output means for printing the image on a printing medium and outputting the image, second output means for transmitting the image to a communication partner terminal via a facsimile, and third output means for outputting the read image data to a connected information processing apparatus, to function as an apparatus for executing ~~read~~ reading and outputting image data read by said read means from any one of the first to third output means, ~~characterized in that~~ wherein the program codes function as:

designation means for designating a read mode of said read means;

color transformation means for transforming a color space of the image data read by said read means into one of a plurality of color spaces;

915 compression means for compressing the image data in one of a plurality of compression formats; and

selection means for selecting a color space to be transformed by said color transformation means and a compression format of said compression means in accordance with the read mode designated by said designation means and one of said first to third output means which is to output the read image,

wherein, if said designation means designates a color read mode as the read mode and said selection means selects either said first output means or said third output means, a color space to be transformed by said color transformation means is different from a color space for said second output means.

19. (Currently amended) An image processing apparatus ~~characterized~~ by comprising:

input means for inputting color image data;

transformation means for transforming a color space of the color image data

input by said input means;

compression means for compressing the color image data transformed by

said transformation means by a predetermined algorithm; and

output means for outputting the color image data compressed by said

compression means,

wherein said transformation means transforms the color image data input by

said input means into color image data of a color space corresponding to an output

destination of said output means, and

wherein, if said output means outputs the color image data compressed by

said compression means to a facsimile communication line, a color space to be transformed

by said transformation means is different from a color space to be transformed when said

output means outputs the color image data to a destination other than the facsimile

communication line.

20. (Currently Amended) The apparatus according to claim 19,
~~characterized in that~~ wherein when the output destination of said output means is a
communication line, said transformation means transforms the color space into an Lab
color space.

21. (Currently Amended) The apparatus according to claim 19, ~~characterized in that~~ wherein when the output destination of said output means is not a communication line, said transformation means transforms the color space into a color space which can be transformed more easily than an Lab space.

22. (Currently amended) An image processing method ~~characterized by~~ comprising:

~~the~~ an input step of inputting color image data;

~~the~~ a transformation step of transforming a color space of the color image data input in the input step;

~~the~~ a compression step of compressing the color image data transformed in the transformation step by a predetermined algorithm; and

~~the~~ an output step of outputting the color image data compressed in the compression step,

wherein the transformation step includes transforming the color image data input in the input step into color image data of a color space corresponding to an output destination in the output step, and

wherein, if the output step outputs the color image data compressed by the compression step to a facsimile communication line, a color space to be transformed by the transformation step is different from a color space to be transformed when the output step outputs the color image data to a destination other than the facsimile communication line.

23. (Currently amended) A storage medium which stores program codes to be loaded and executed by a computer, ~~characterized in that~~ said storage medium ~~stores~~ storing program codes of:

~~the~~ an input step of inputting color image data;

~~the~~ a transformation step of transforming a color space of the color image data input in the input step;

~~the~~ a compression step of compressing the color image data transformed in the transformation step by a predetermined algorithm; and

95 ~~the~~ an output step of outputting the color image data compressed in the compression step,

wherein the program code of the transformation step is a program code of transforming the color image data input in the input step into color image data of a color space corresponding to an output destination in the output step, and

wherein, if the output step outputs the color image data compressed by the compression step to a facsimile communication line, a color space to be transformed by the transformation step is different from a color space to be transformed when the output step outputs the color image data to a destination other than the facsimile communication line.
